WHAT IS CLAIMED IS:

1. A method for manufacturing a monolithic piezoelectric part which has a plurality of piezoelectric ceramic layers and spaced internal electrode layers disposed in said piezoelectric ceramic part, wherein said piezoelectric ceramic making up said piezoelectric ceramic layers is formed of a perovskite compound oxide expressed by the general formula of ABO_3, and comprises at least Pb for the A site component and at least Ti for the B site component; said method comprising:

providing a piezoelectric ceramic powdered raw material wherein the molar quantity of said A site component is reduced by about 0.5 mol% to 5.0 mol% from that of a stoichiometric composition;

fabricating a layered article with said piezoelectric ceramic powdered raw material; and

sintering step said layered article within an atmosphere wherein the oxygen concentration is about 5% by volume or less but more than 0% by volume.

2. A method for manufacturing a monolithic piezoelectric part according to Claim 1, wherein, the average valence of said B site component of the ceramic raw material is greater than that of the stoichiometric composition.

3. A method for manufacturing a monolithic piezoelectric part according to Claim 2, wherein said B site component further comrpises Ti and Zr; and

wherein the average valence of said B site component is greater than 4.000 and less than 4.100.

4. A method for manufacturing a monolithic piezoelectric part according to Claim 3, wherein the molar quantity of Pb included in said A site component has been reduced by about 0.5 mol% to 5.0 mol% from that of the stoichiometric composition.

5. A method for manufacturing a monolithic piezoelectric part according to Claim 4, wherein said B site component further comprises Nb.

6. A method for manufacturing a monolithic piezoelectric part according to Claim 4, wherein said B site component further comprises Nb and Ni.

7. A method for manufacturing a monolithic piezoelectric part according to Claim 4, wherein said B site component further comprises at least one of Nb, Sb, Ta and W.

8. A method for manufacturing a monolithic piezoelectric part according to Claim 7, wherein said B site component further comprises at least one of Ni, Cr, Co and Mg.

9. A method for manufacturing a monolithic piezoelectric part according to Claim 8, wherein said layered article fabrication comprises a ceramic green sheet fabrication forming said piezoelectric ceramic powdered raw material into sheet form so as to fabricate a plurality of ceramic green sheets, forming an electrode pattern on at least two of said ceramic green sheets with an electroconductive paste for internal electrodes, and layering a plurality of ceramic green sheets upon which said electrode patterns have been formed so as to form a layered article.

10. A method for manufacturing a monolithic piezoelectric part according to Claim 9, wherein said electroconductive paste contains Ag as a primary component.

11. A method for manufacturing a monolithic piezoelectric part according to Claim 10, wherein said electroconductive paste contains Ag and Pd in a ratio of at least 70/30.

12. A method for manufacturing a monolithic piezoelectric part according to Claim 11, wherein said electroconductive paste contains Ag and Pd in a ratio of at

least 80/20 and the thickness of the layers is such that their thickness after sintering is about 64μm or less.

13. A method for manufacturing a monolithic piezoelectric part according to Claim 12, wherein said electroconductive paste contains Ag and Pd in a ratio of at least 85/15 and the thickness of the layers is such that their thickness after sintering is about 40μm or less.

14. A method for manufacturing a monolithic piezoelectric part according to Claim 1, wherein said B site component further comrpises Ti and Zr; and wherein the average valence of said B site component is greater than 4.000 and less than 4.100.

15. A method for manufacturing a monolithic piezoelectric part according to Claim 1, wherein said B site component further comprises Nb.

16. A method for manufacturing a monolithic piezoelectric part according to Claim 1, wherein said layered article fabrication comprises a ceramic green sheet fabrication forming said piezoelectric ceramic powdered raw material into sheet form so as to fabricate a plurality of ceramic green sheets, forming an electrode pattern on at least two of said ceramic green sheets with an electroconductive paste for internal electrodes, and layering a plurality of ceramic green sheets upon which said electrode patterns have been formed so as to form a layered article.

17. A method for manufacturing a monolithic piezoelectric part according to Claim 16, wherein said electroconductive paste contains Ag as a primary component.

18. A monolithic piezoelectric part comprisinga plurality of piezoelectric ceramic layers and spaced internal electrode layers disposed in said piezoelectric ceramic part, wherein said piezoelectric ceramic making up said piezoelectric ceramic layers is a sintered perovskite compound oxide expressed by the general formula of ABO_3, and comprises at least Pb for the A site component and at least Ti for the B

site component, and wherein the molar quantity of said A site component is reduced by about 0.5 mol% to 5.0 mol% from that of a stoichiometric composition.

19. A monolithic piezoelectric part according to claim 18, wherein said layers have a thickness of about 64μm or less, the internal electrodes comprise Ag and the average valence of the B site component is greater than 4.000 and less than 4.100.

20. A monolithic piezoelectric part according to claim 1, wherein said layers have a thickness of about 40μm or less and the B site component comprises Nb.